OIPE JC150
NOV 26 2004
PATENT & TRADEMARK OFFICE

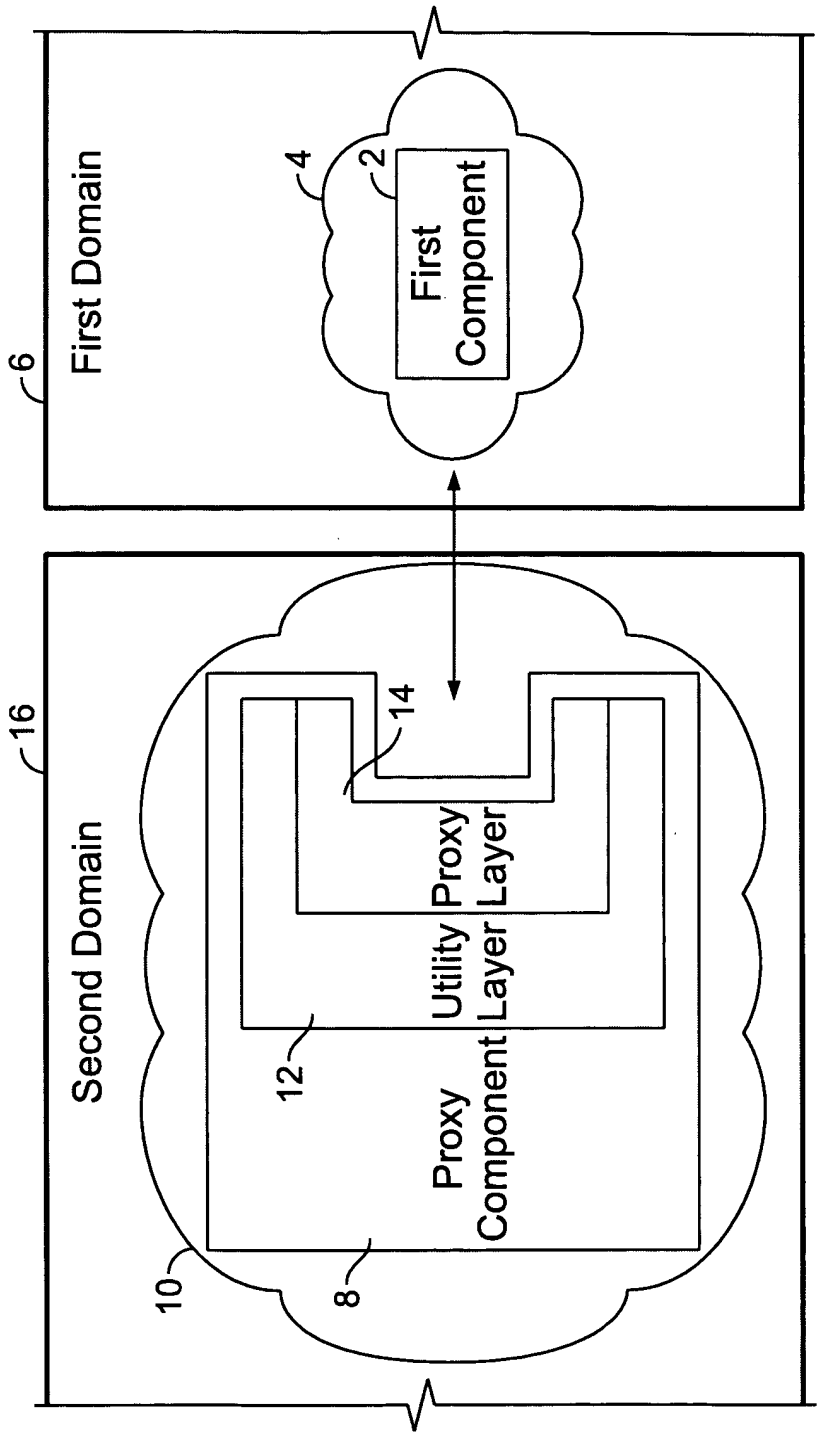

FIG. 1

OIPE JC180
NOV 26 2004
PATENT & TRADEMARK OFFICE

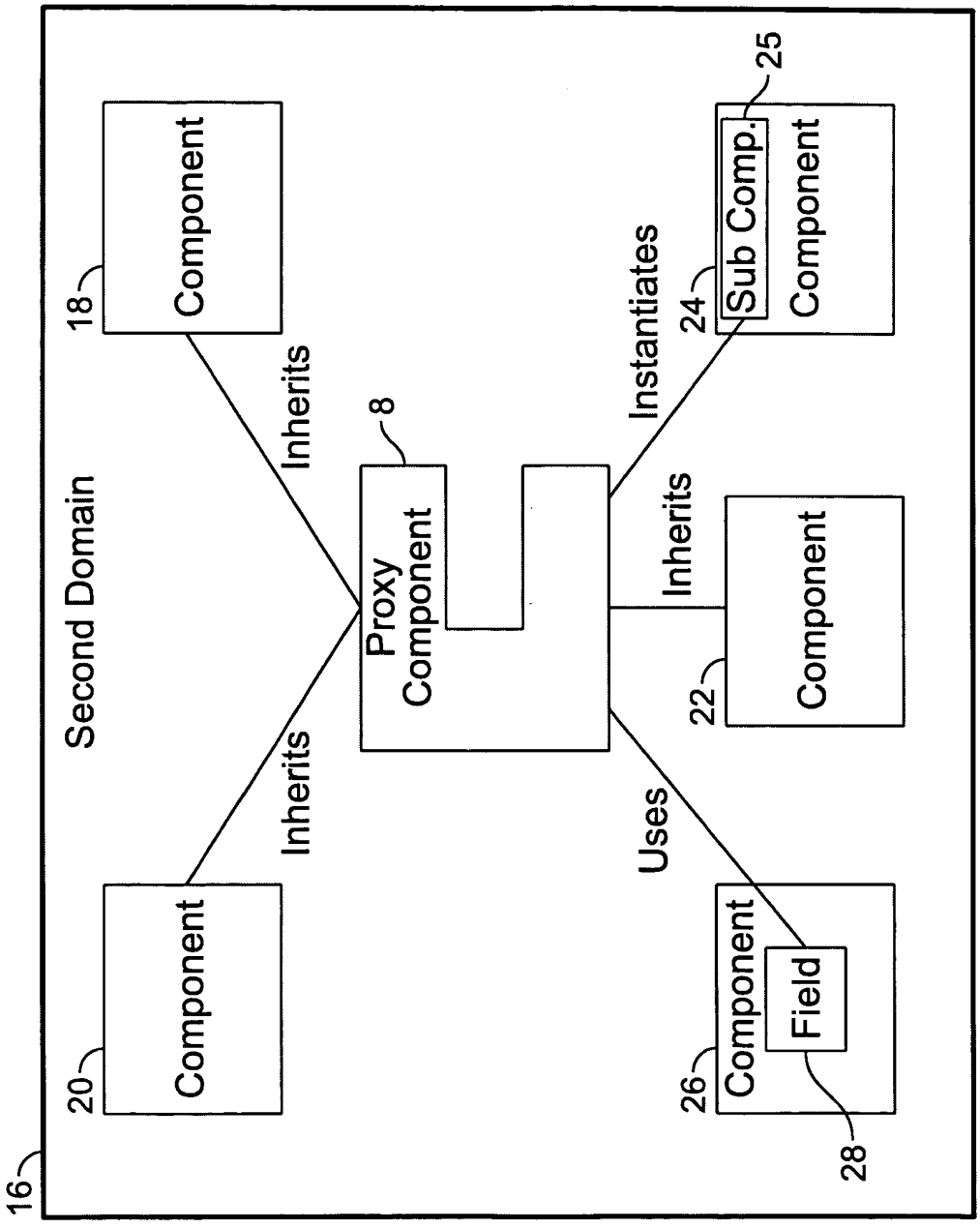

FIG. 2

OIPE
NOV 26 2004
PATENT & TRADEMARK OFFICE

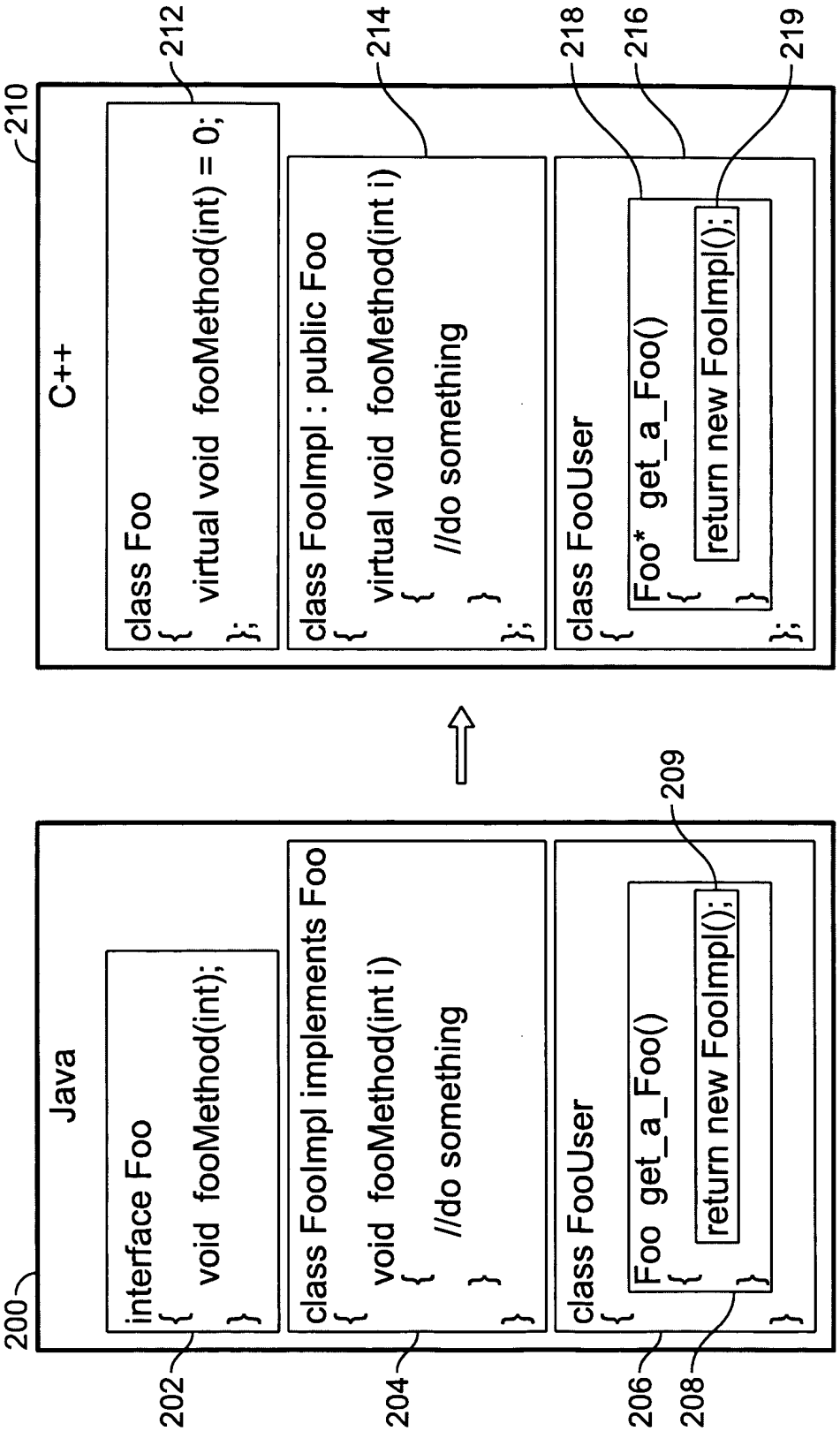

FIG. 3

FIG. 4

OIPE JC130
NOV 26 2004
PATENT & TRADEMARK OFFICE

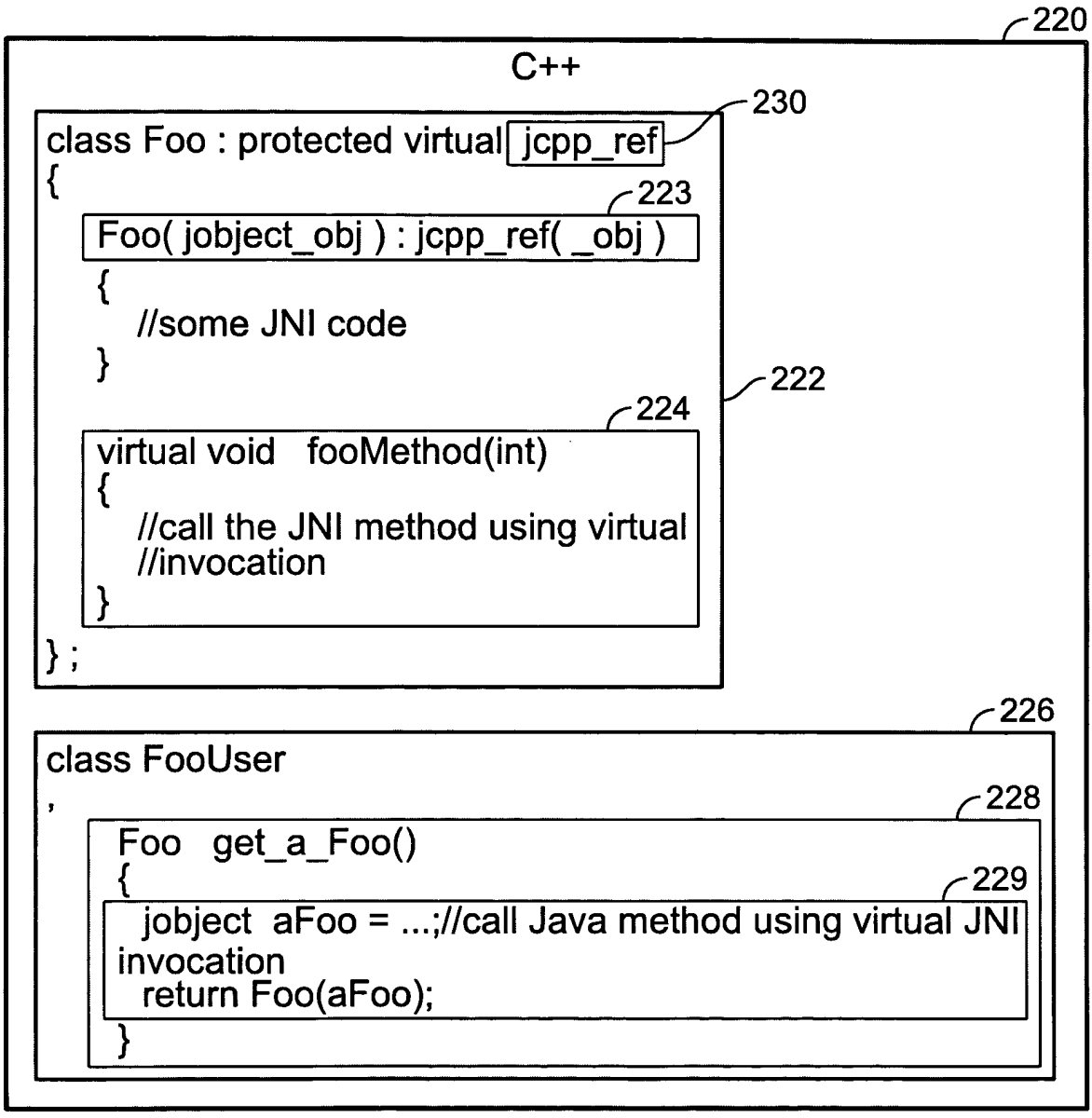

FIG. 5

OIPE JC130 NOV 26 2004 PATENT & TRADEMARK OFFICE

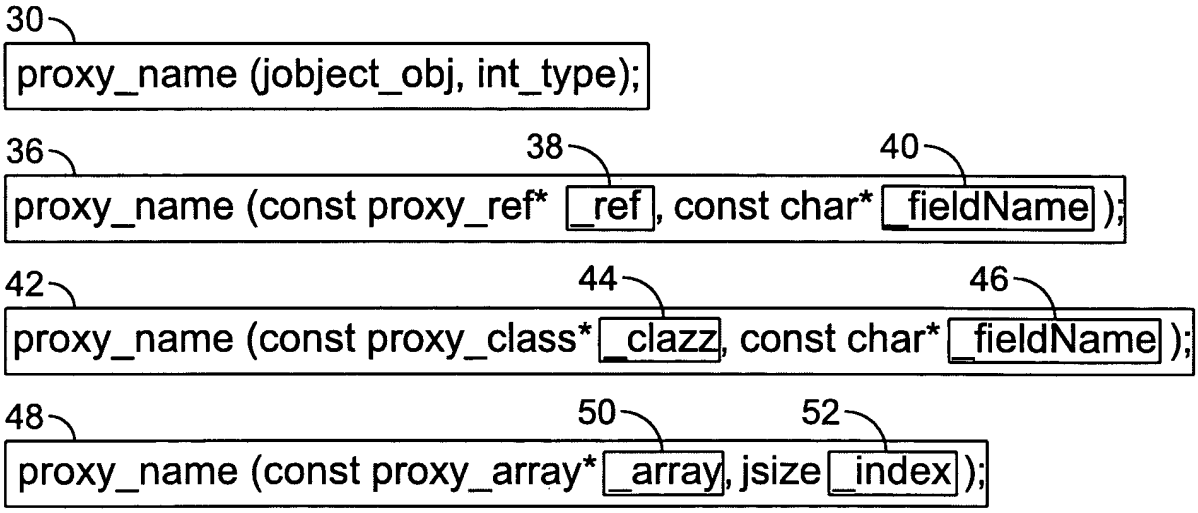

FIG. 6

OIPE JC130
NOV 26 2004
PATENT & TRADEMARK OFFICE

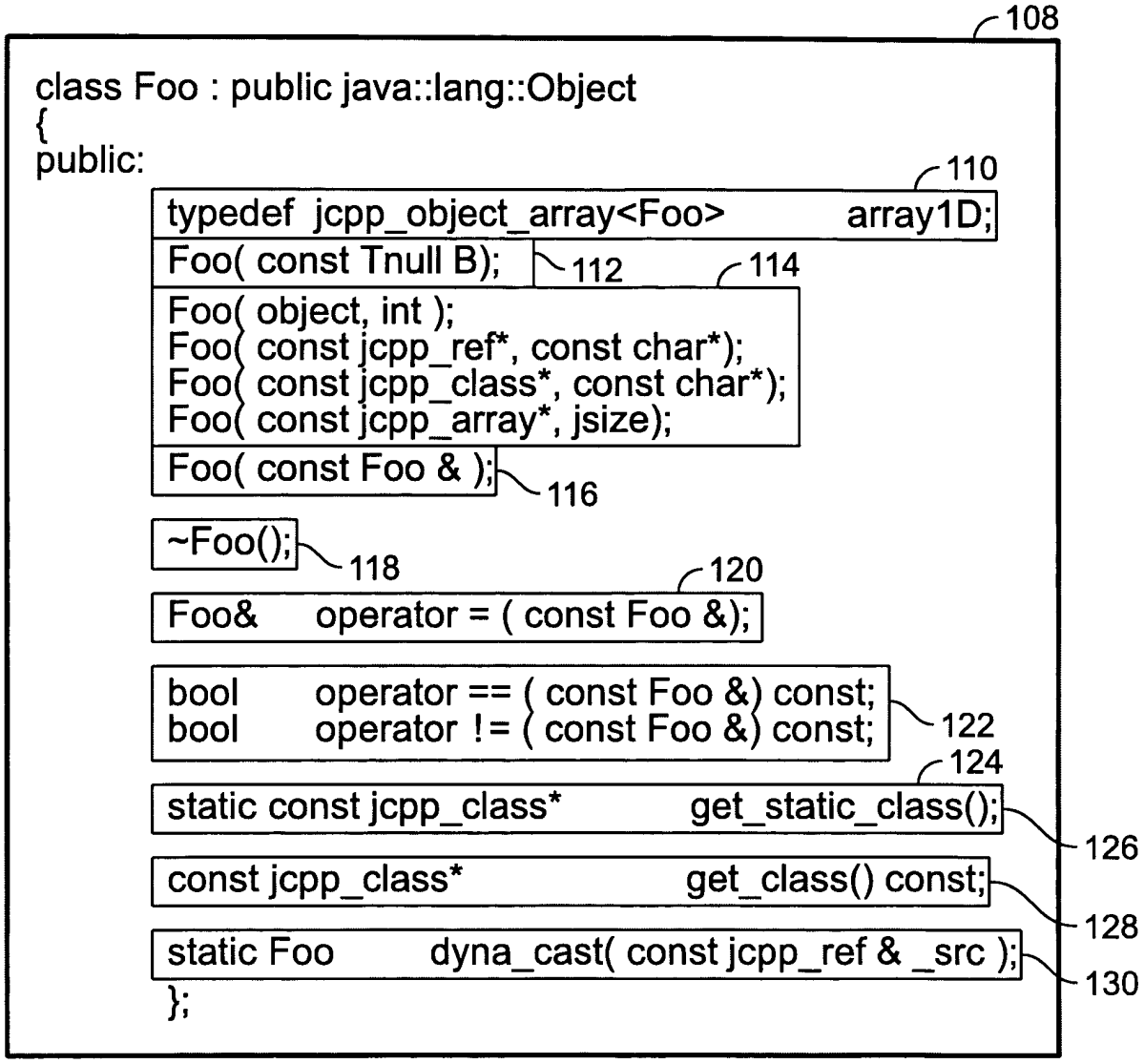

FIG. 7

OIPE JC1&30
NOV 2 6 2004
PATENT & TRADEMARK OFFICE

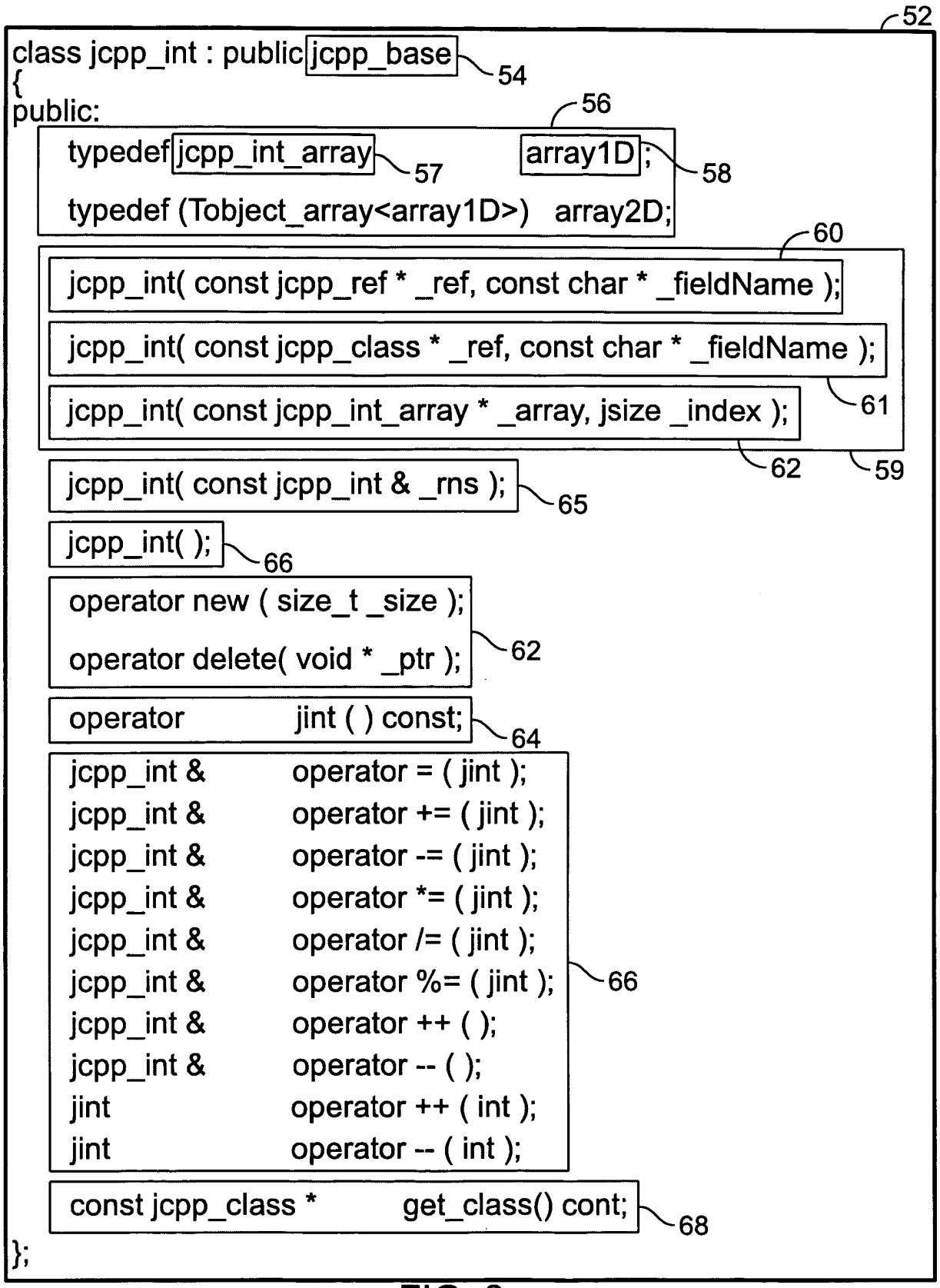

FIG. 8

O I P E
NOV 26 2004
PATENT & TRADEMARK OFFICE

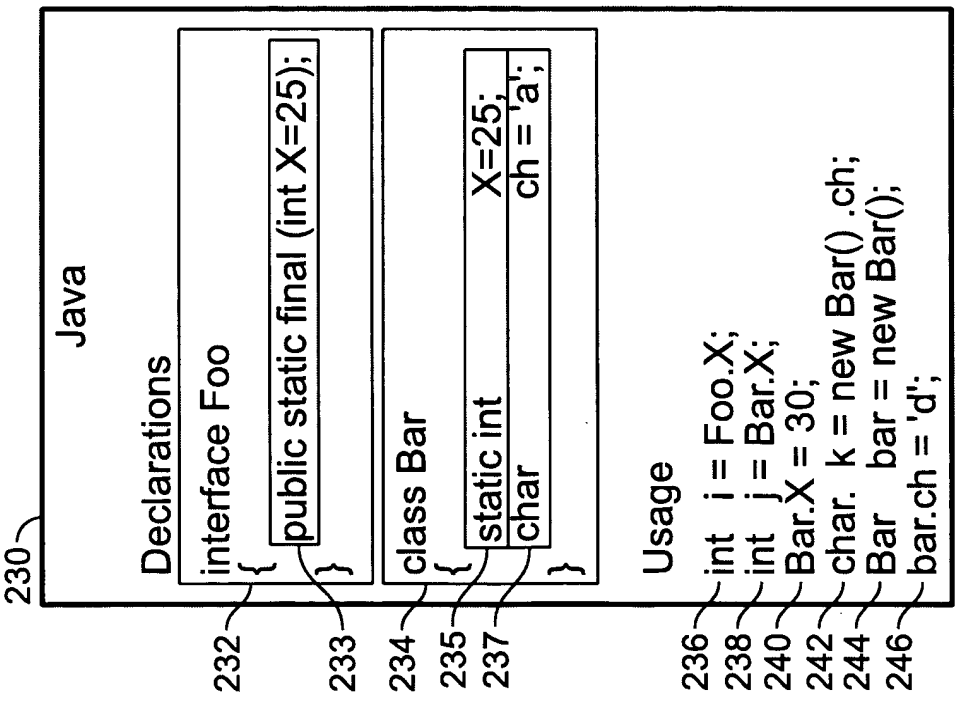

FIG. 9

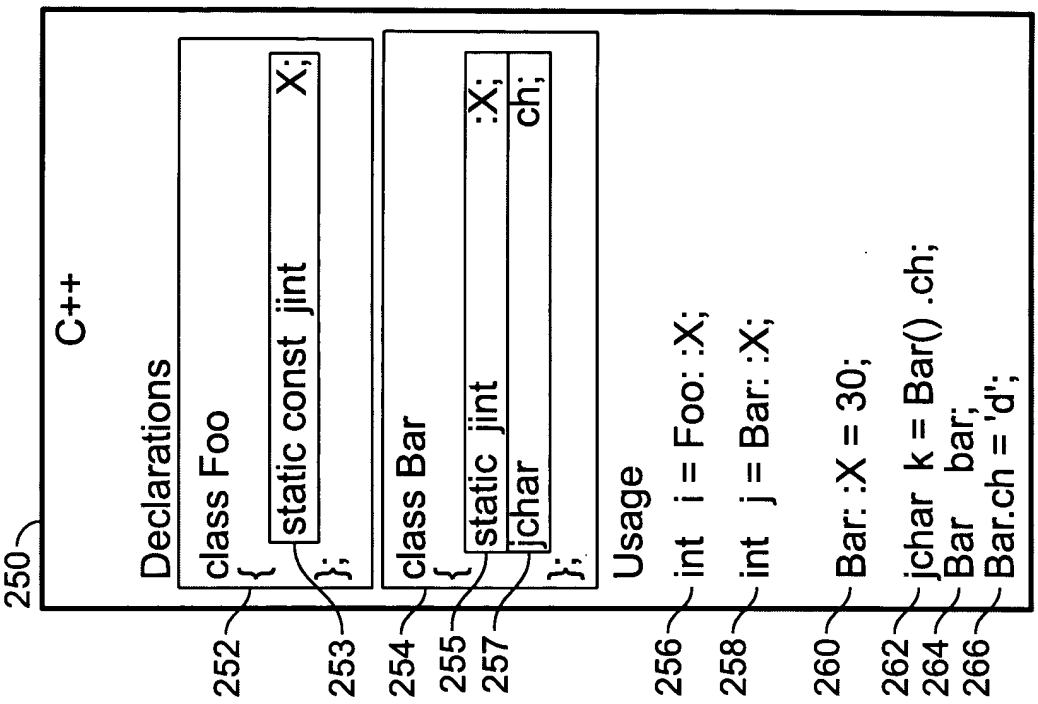

FIG. 10

OIPE
NOV 26 2004
PATENT & TRADEMARK OFFICE

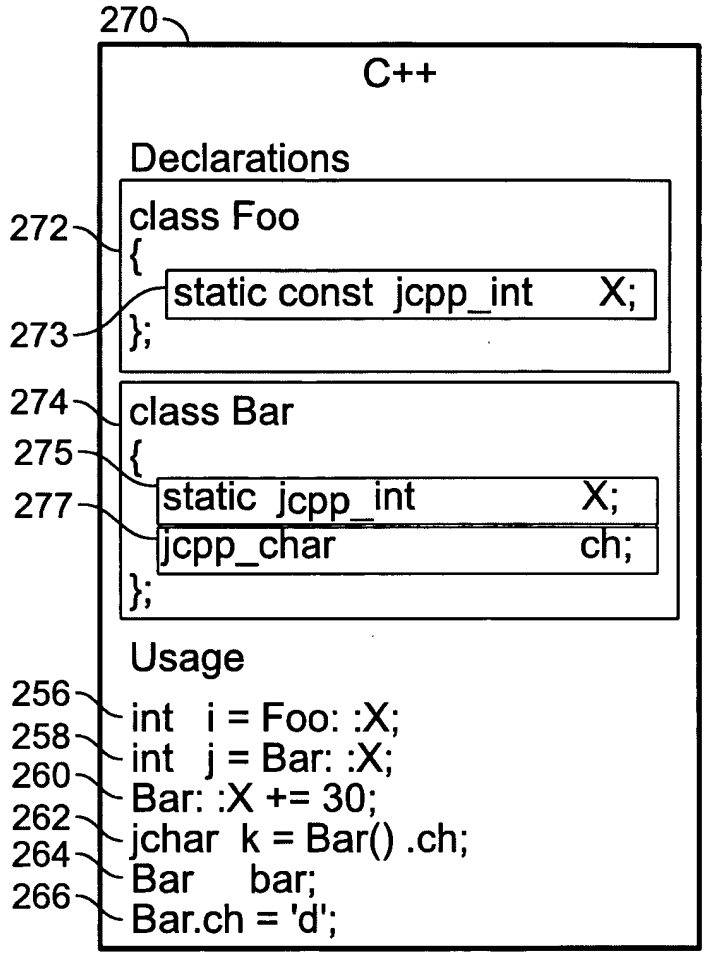

FIG. 11

OIPE JC130 NOV 26 2004 PATENT & TRADEMARK OFFICE

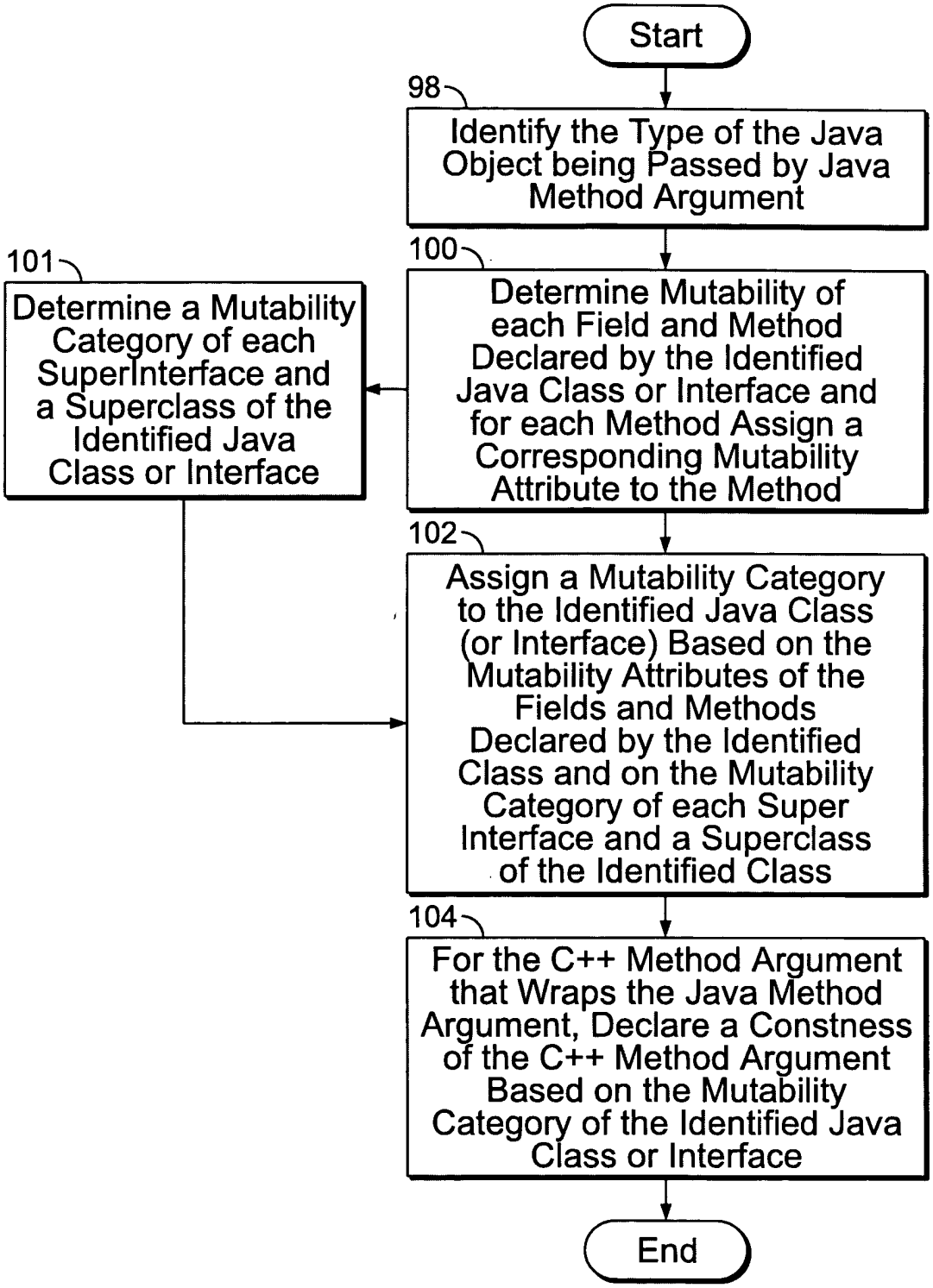

FIG. 12

OIPE JC130 NOV 26 2004 PATENT & TRADEMARK OFFICE

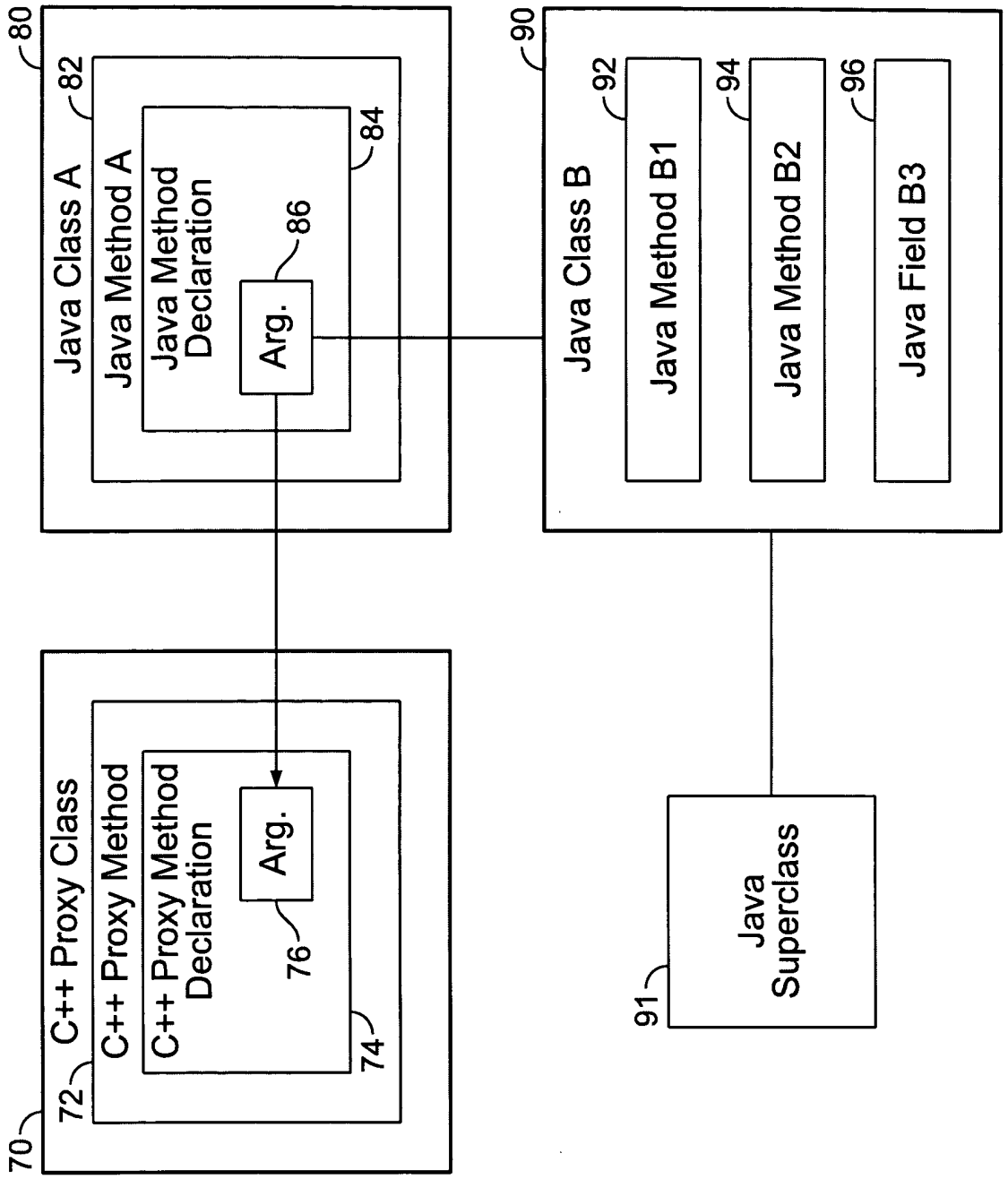

FIG. 13

OIPE JC130 NOV 2 6 2004 PATENT & TRADEMARK OFFICE

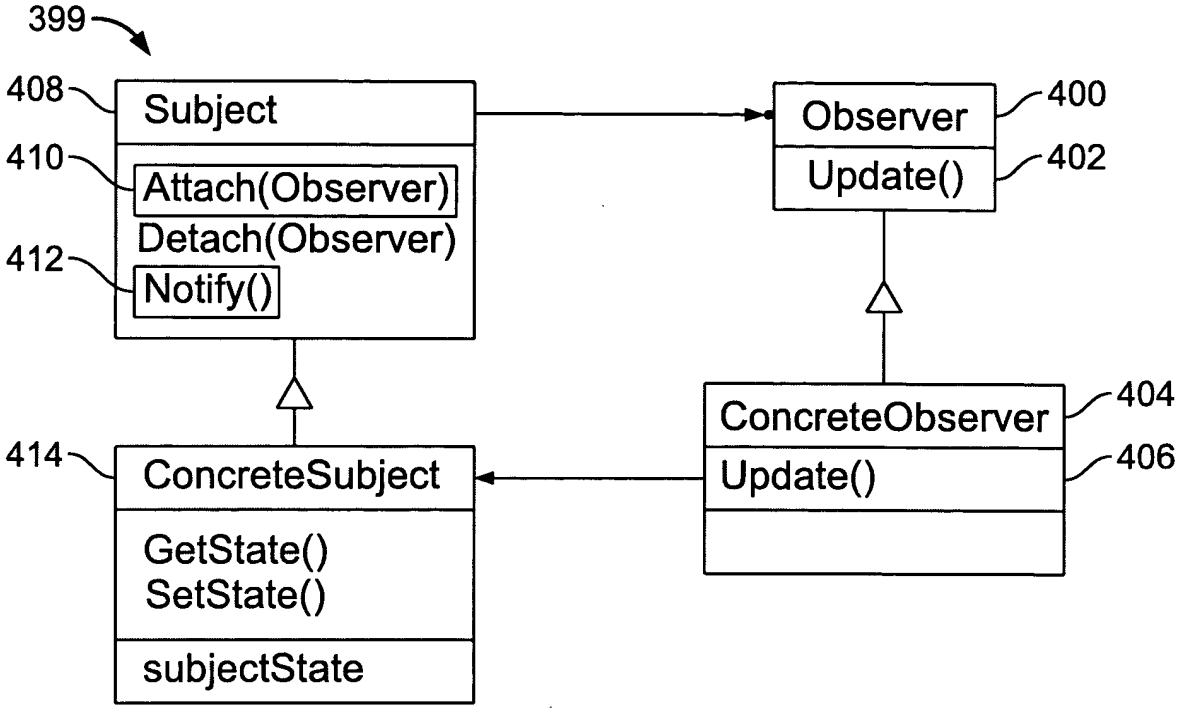

FIG. 14

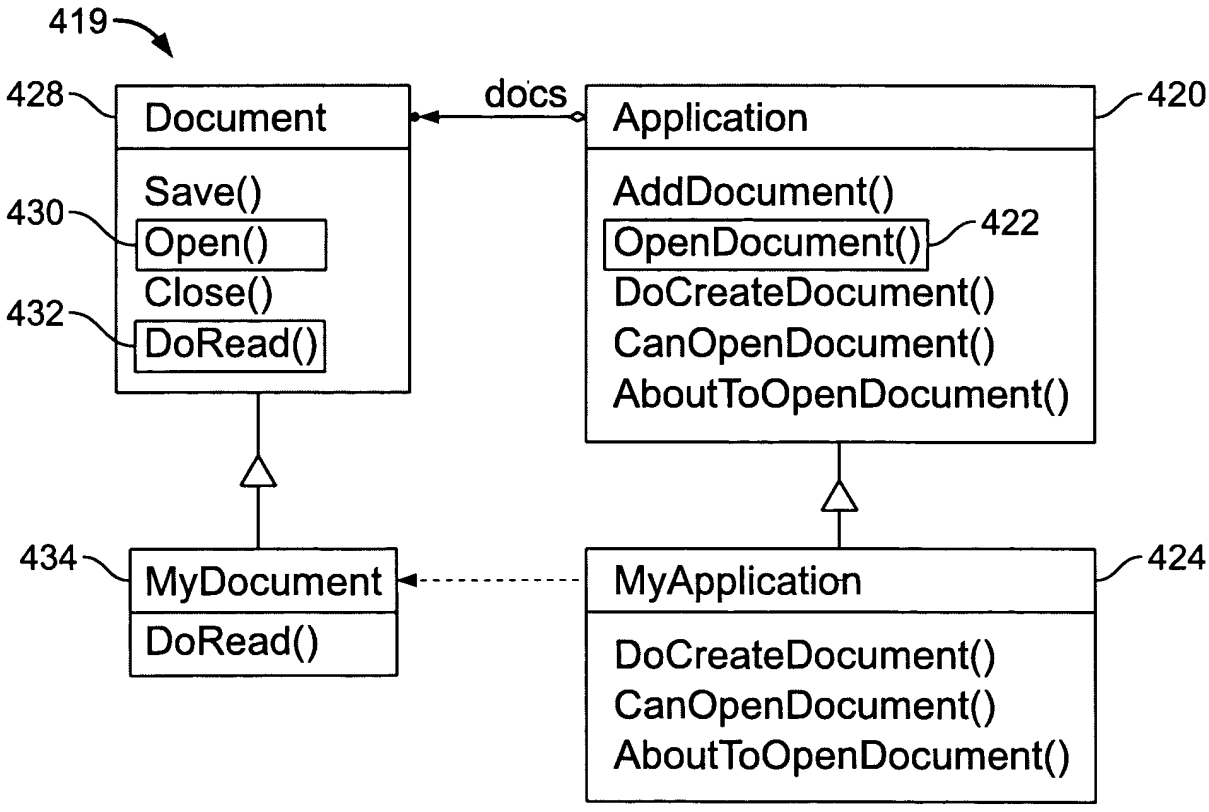

FIG. 15

OIPE
NOV 26 2004
PATENT & TRADEMARK OFFICE

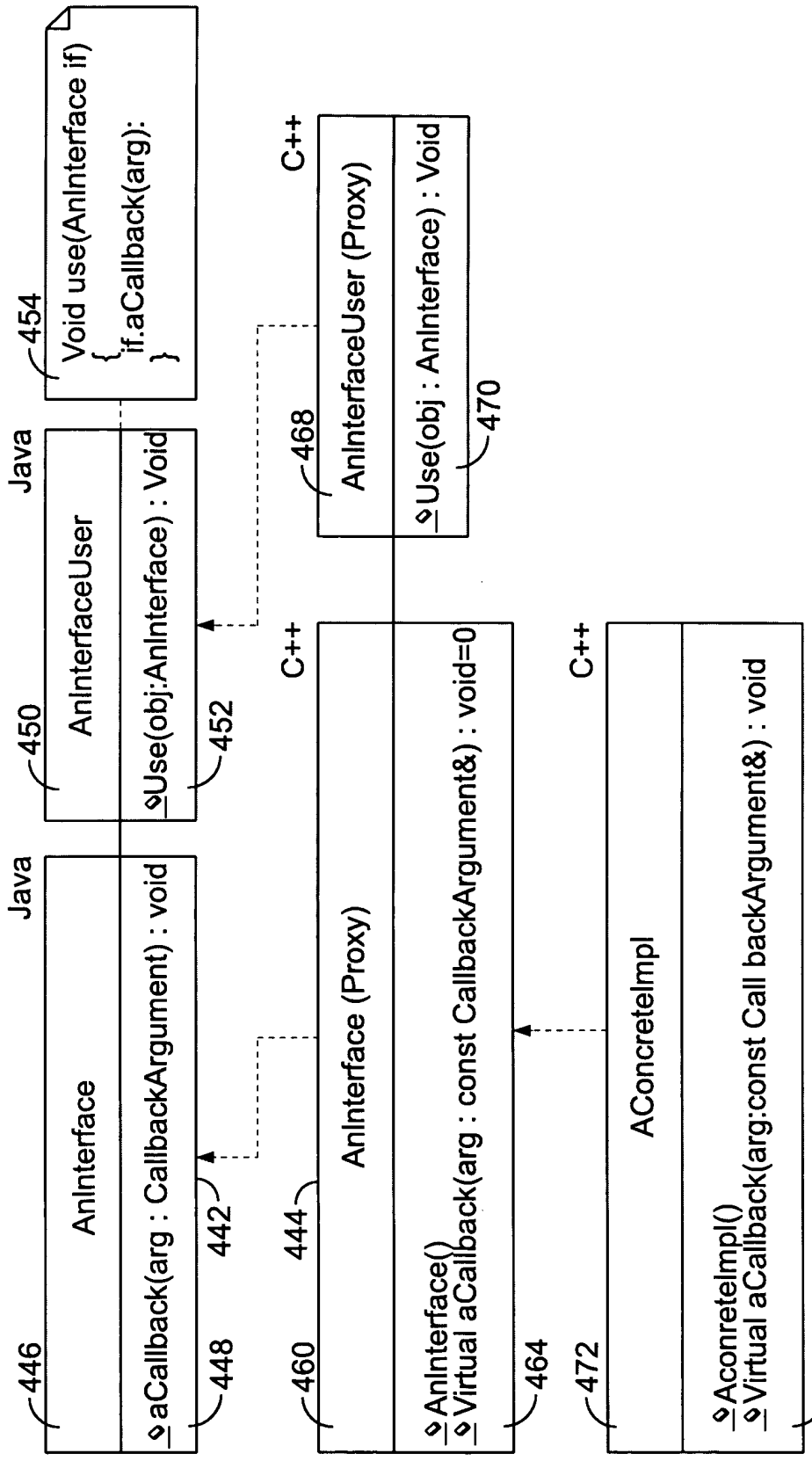

FIG. 16

OIPE JC1300 NOV 2 6 2004 PATENT & TRADEMARK OFFICE

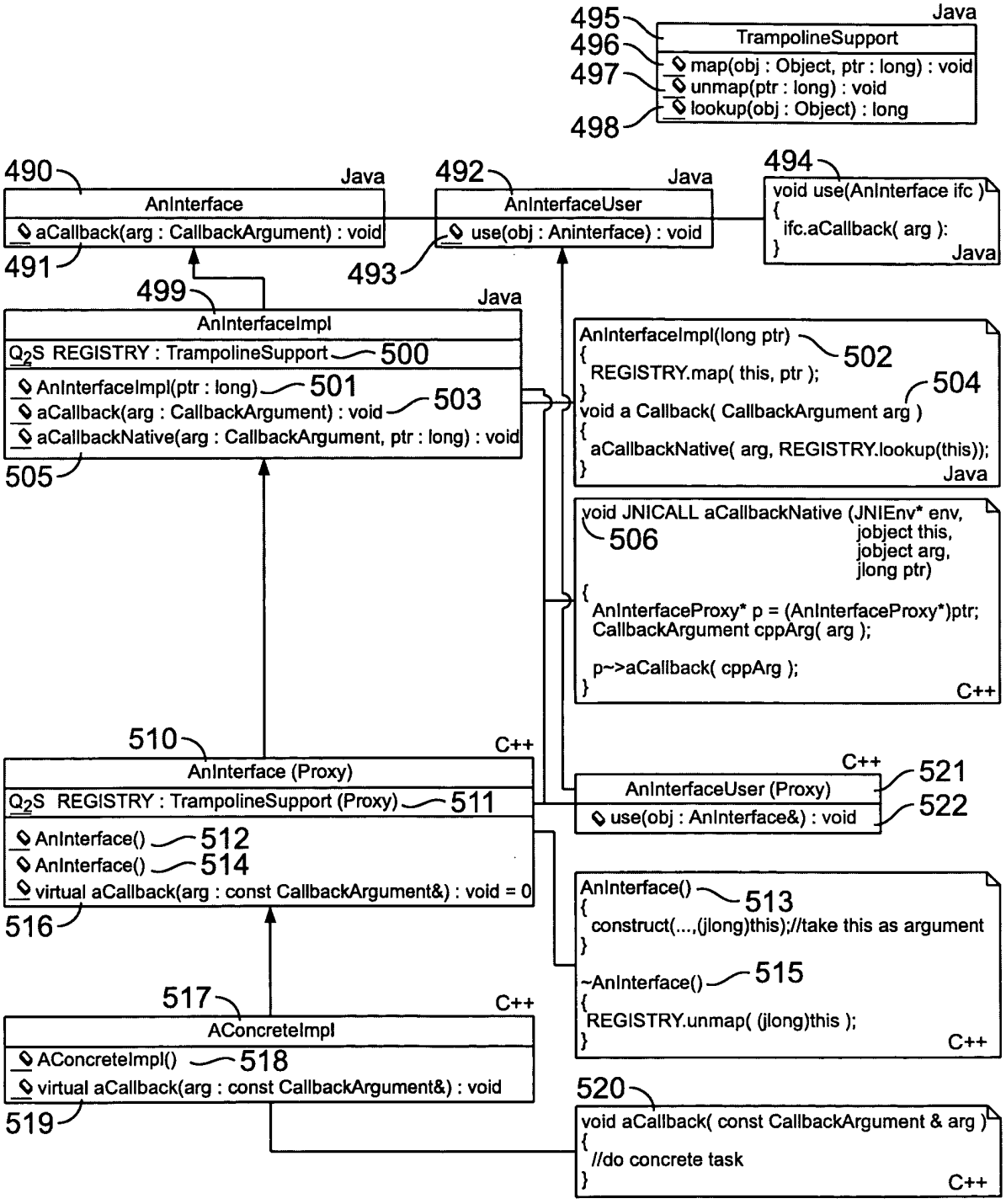

FIG. 17

OIPE JC130
NOV 26 2004
PATENT & TRADEMARK OFFICE

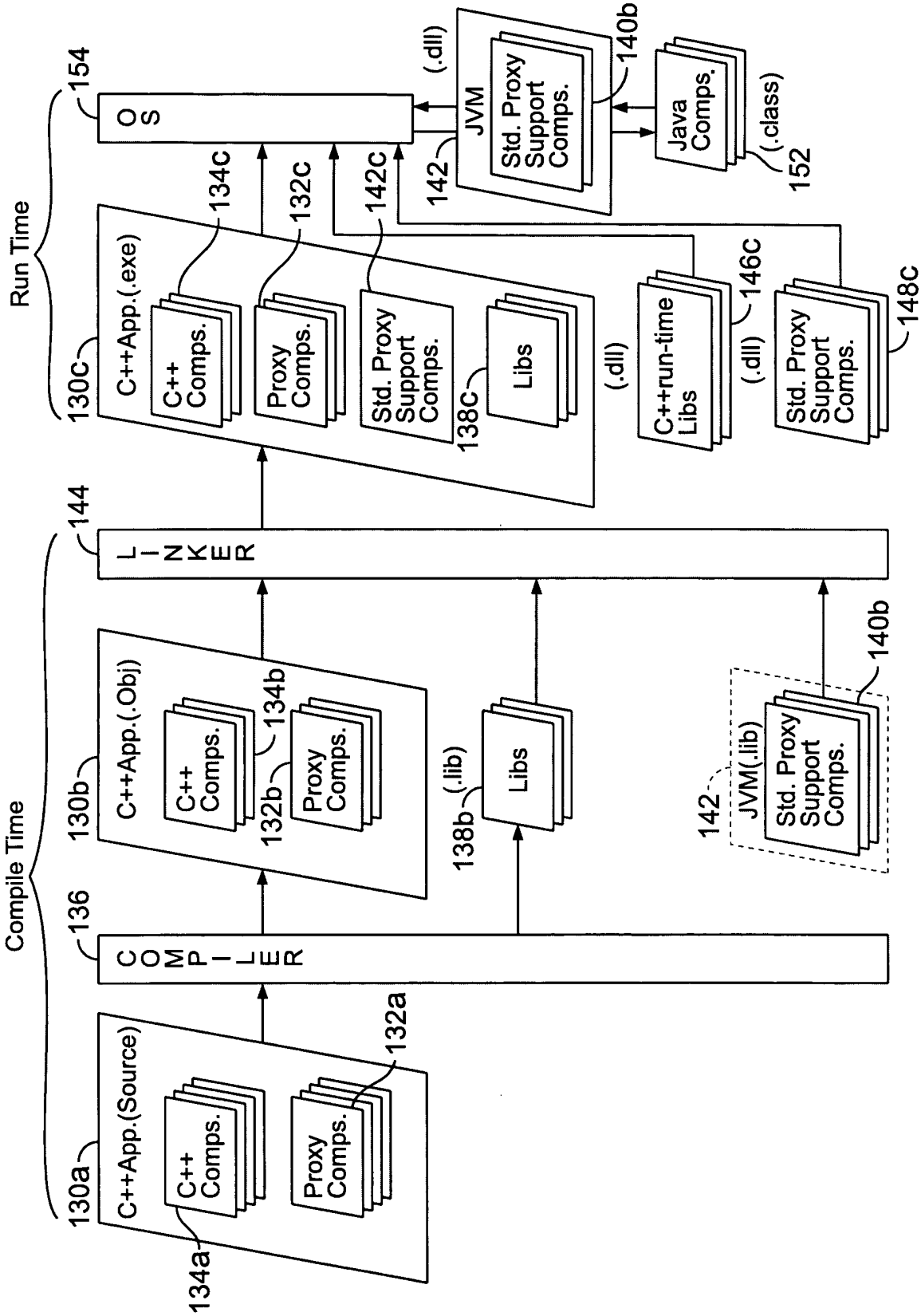

FIG. 18

OIPE JC1$0
NOV 2 6 2004
PATENT & TRADEMARK OFFICE

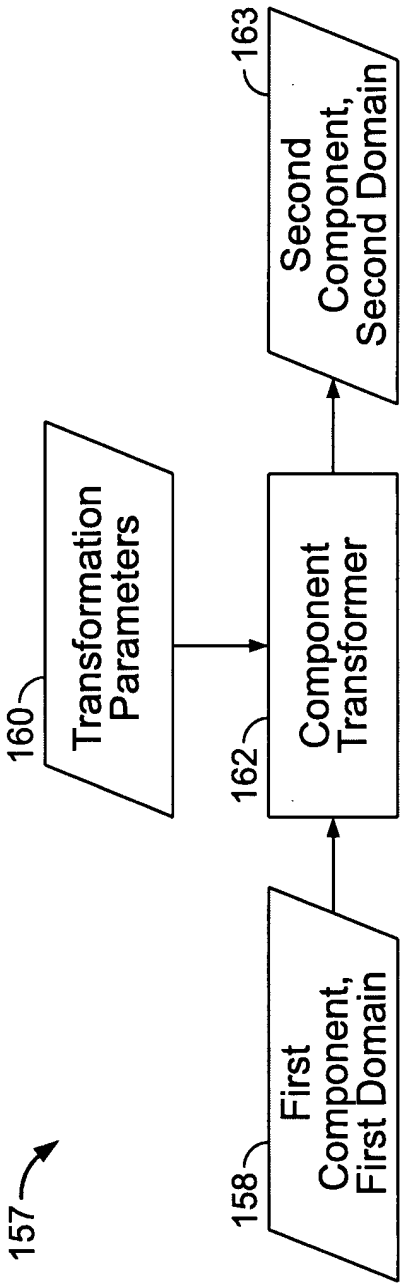

FIG. 19

OIPE
NOV 26 2004
PATENT & TRADEMARK OFFICE

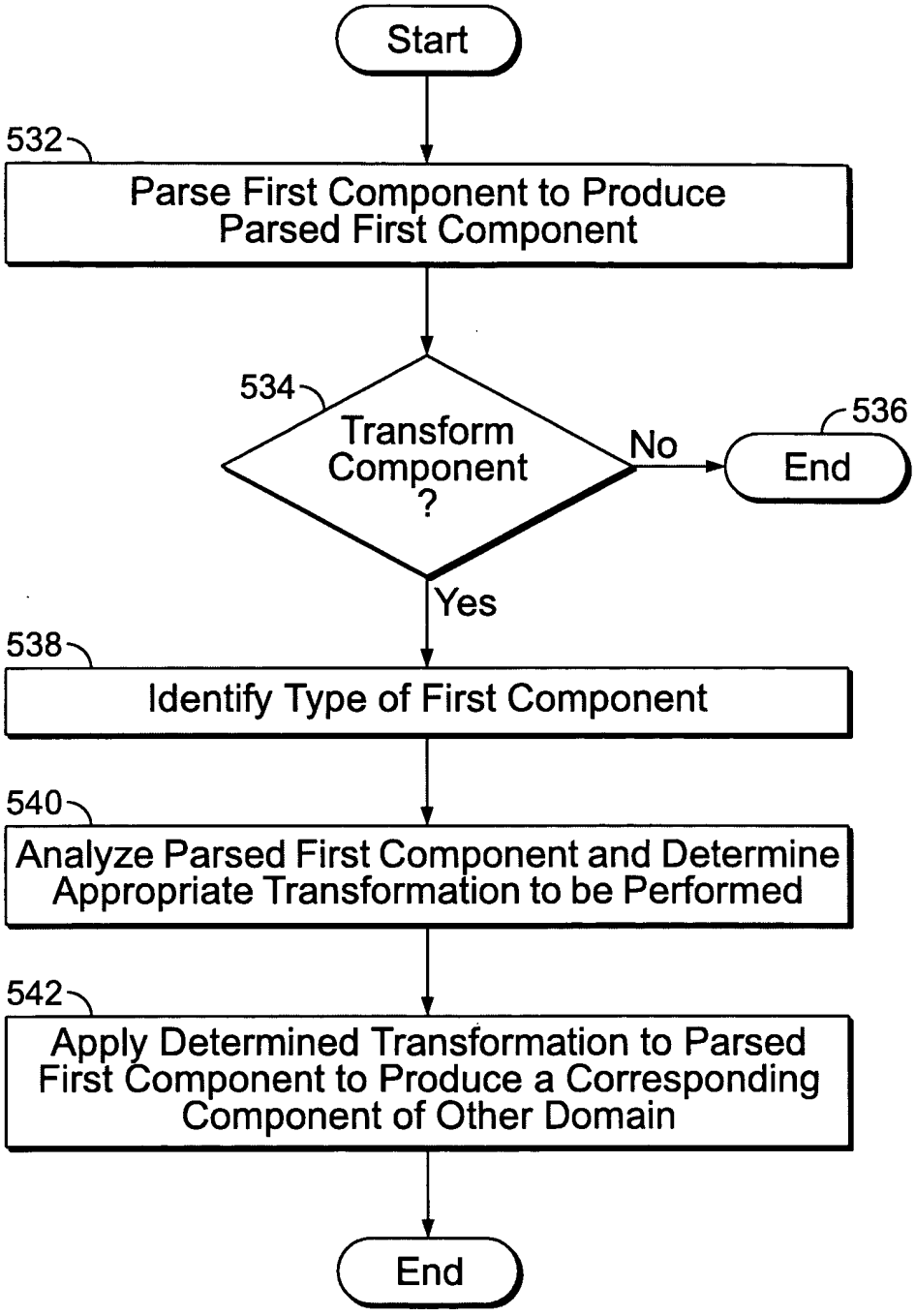

FIG. 20

OIPE JC130 NOV 26 2004 PATENT & TRADEMARK OFFICE

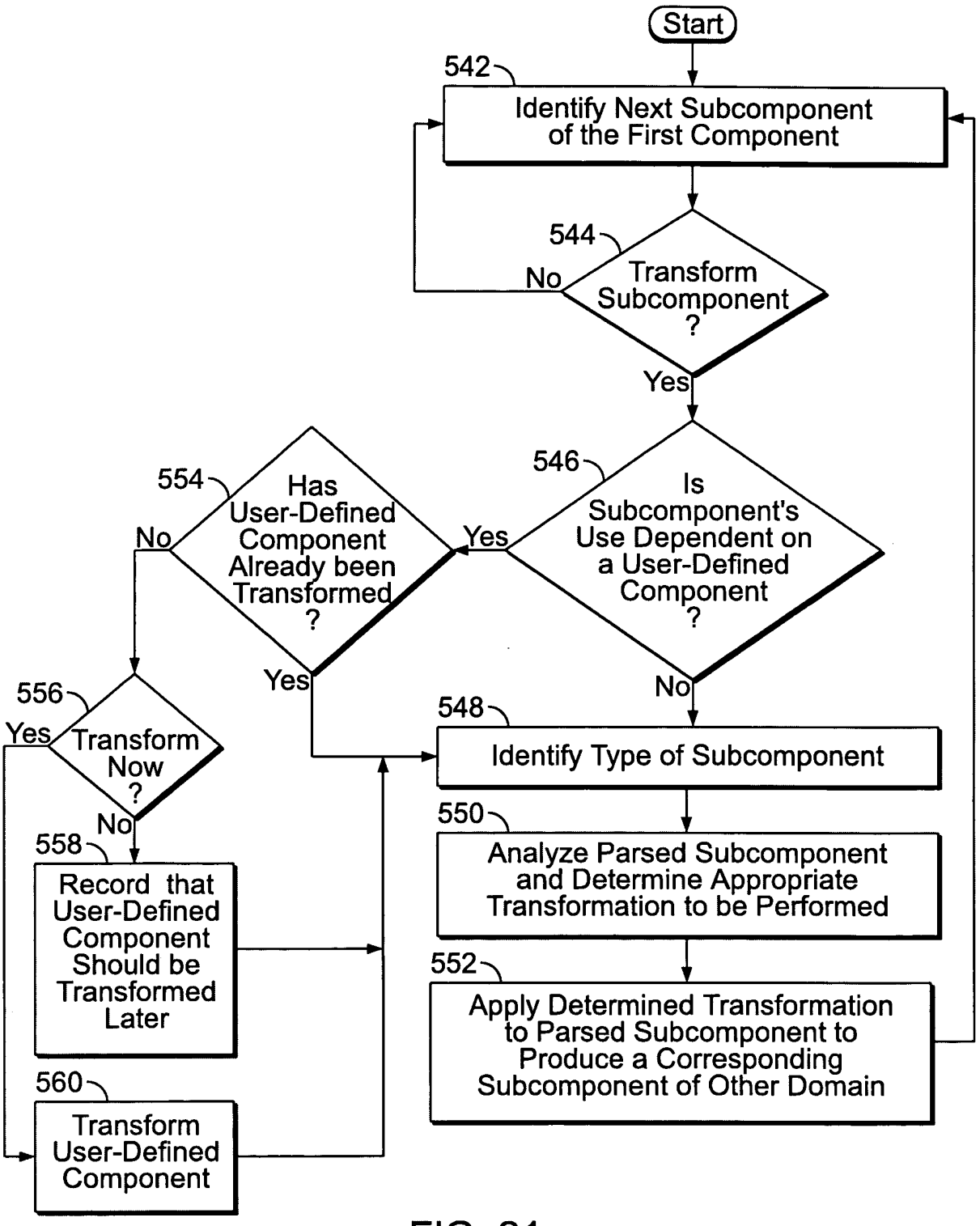

FIG. 21

OIPE JC130 NOV 26 2004 PATENT & TRADEMARK OFFICE

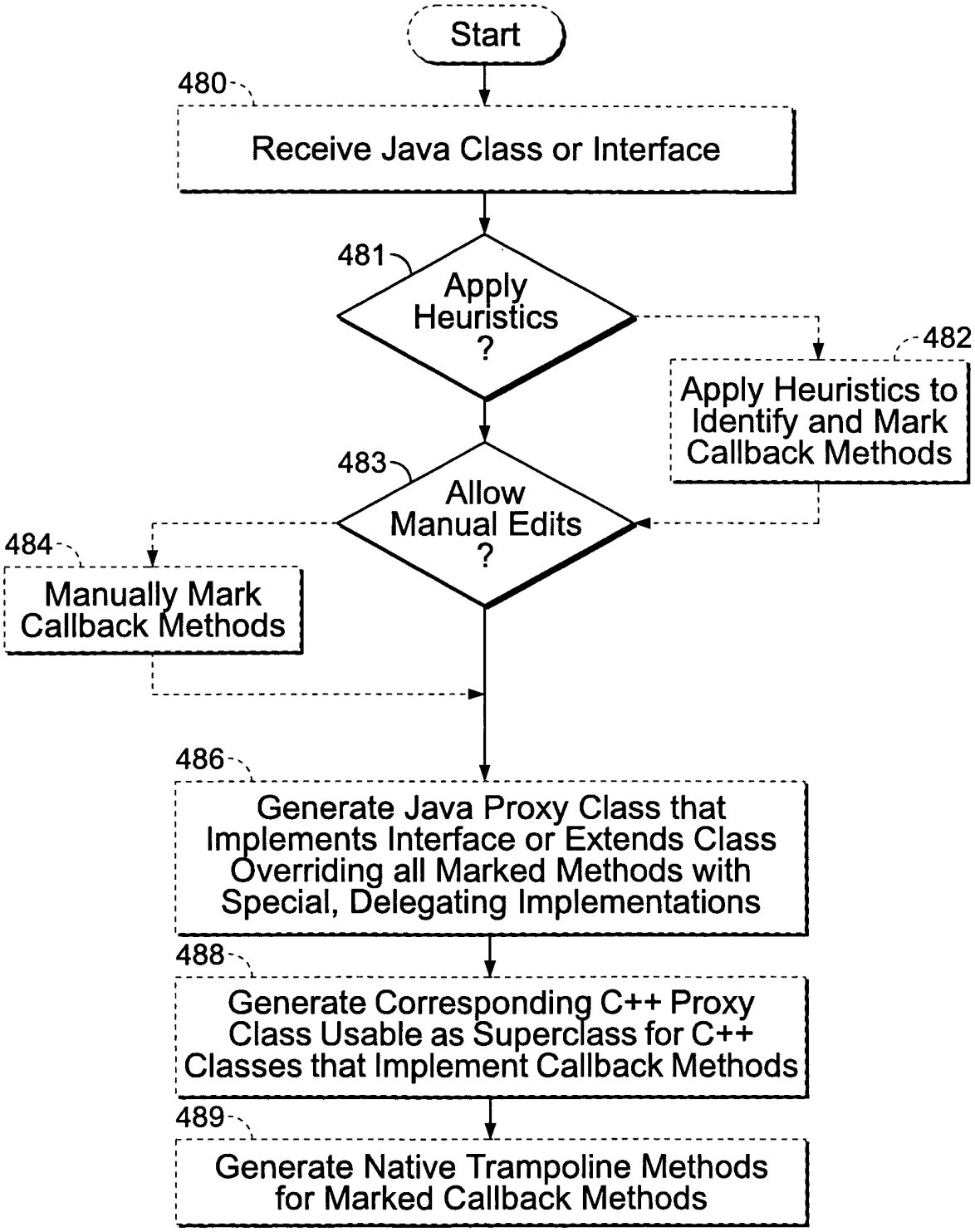

FIG. 22

OIPE JC130 NOV 26 2004 PATENT & TRADEMARK OFFICE

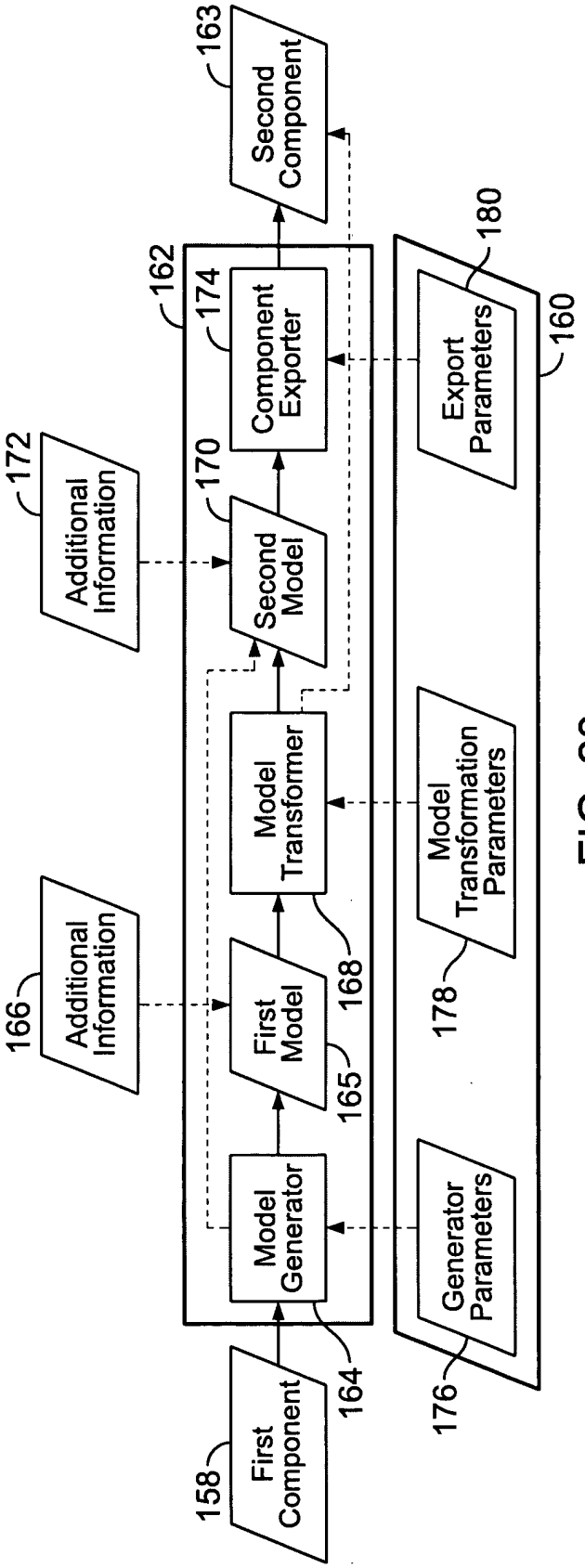

FIG. 23

OIPE JC130 NOV 26 2004 PATENT & TRADEMARK OFFICE

300a

```
public class Counter implements java.io.Serializable
{
                                    304a
  public static final int   UP = 1;
  public static final int   DOWN = 2;
                        308a        306a
  private int    max;
  private int    direction;
                             310a
  //creates a new UP-counter with the given maximum
  public Counter(  int _max  )
312a{
       this(   _max, UP  );
  }

  //creates a new counter with given maximum and direction
  public Counter(  int _max, int _direction  )
314a{
       max = _max;
       direction = _direction;
  }

  //counts in the direction specified and outputs the numbers
  public void    count()
  {
       if(  direction == UP  )
316a       for(  int I=0; I<max; I++  )
              System.out.println (  " " + I  );
       else if (  direction == DOWN  )
            for (  int I=max-1;  I>=0;  I--  )
                 System.out.println(  " " + I  );
  }

  //returns true if this instance is an UP counter
  public boolean      isUpCounter()
318a{
       return  (  direction == UP  );
  }

  //returns the maximum of the counter
  public final int       getMax()
320a{
       return max;
  }

  //creates a counter with the same maximum as this counter, but reverse direction
  public Counter      getReverseCounter()
322a{
       return new Counter( max, direction  ==  UP ? DOWN : UP );
  }
}
```

FIG. 24

NOV 26 2004
PATENT & TRADEMARK OFFICE

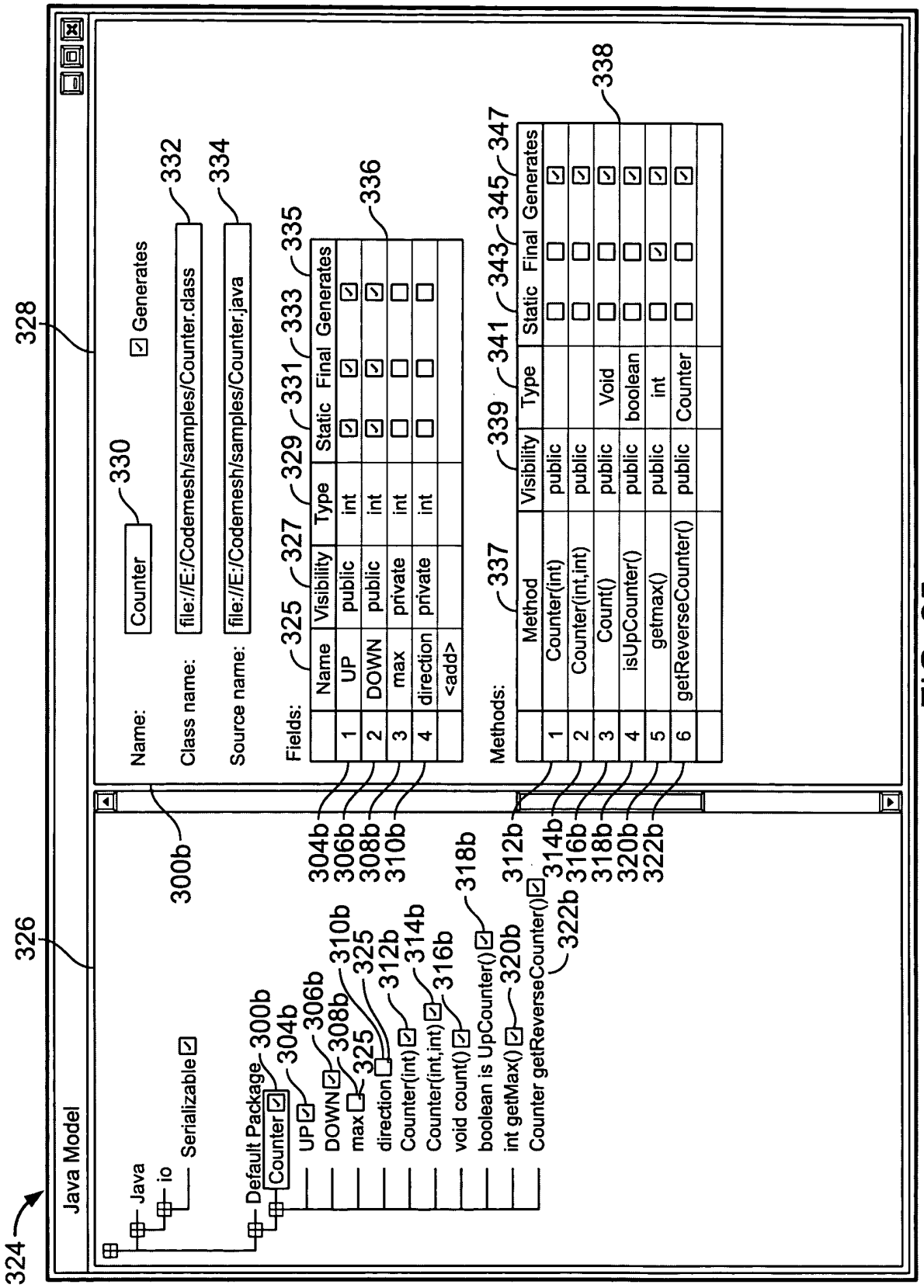

FIG. 25

OIPE JC150 NOV 26 2004 PATENT & TRADEMARK OFFICE

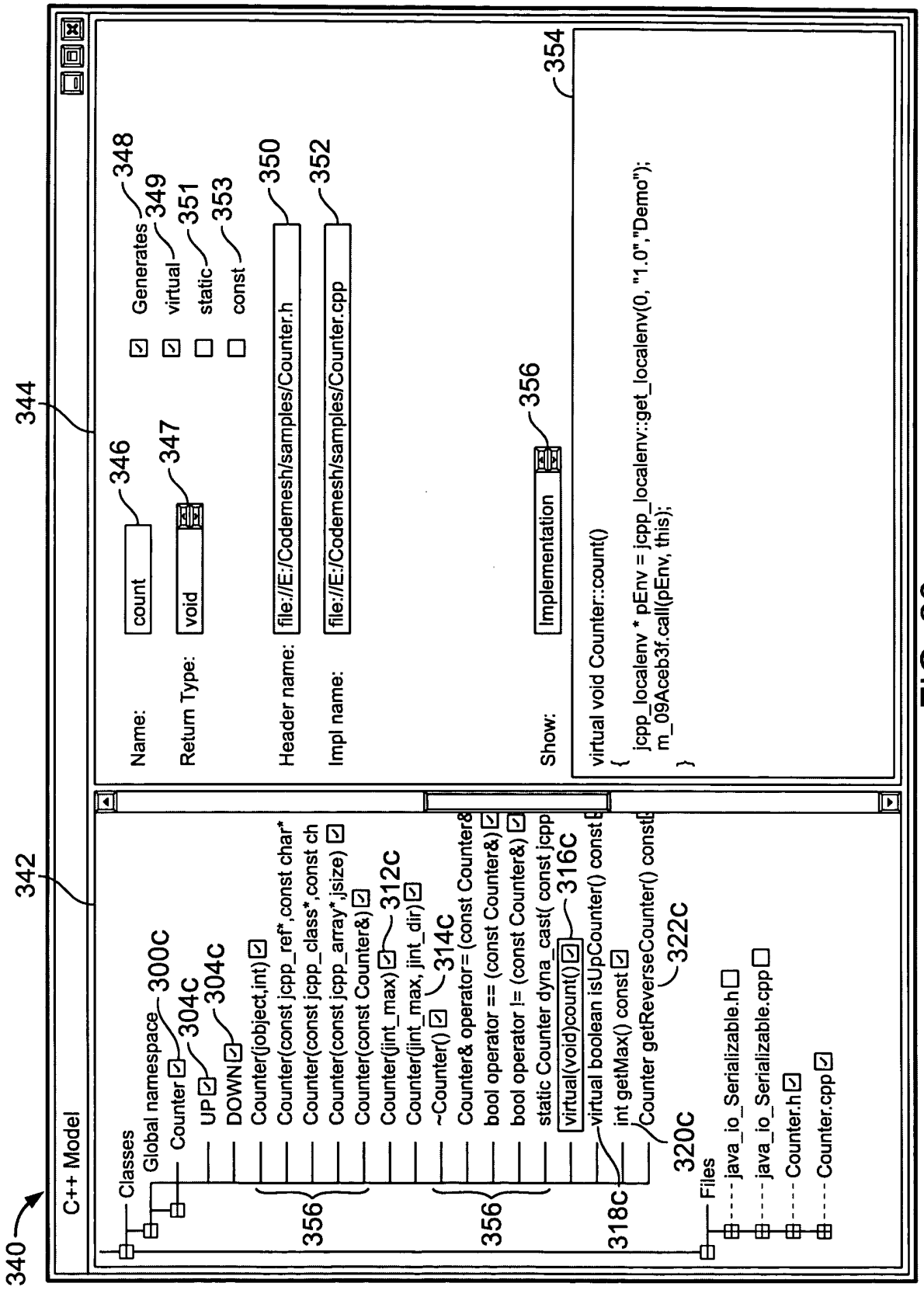

FIG. 26

OIPE JC1530 NOV 26 2004 PATENT & TRADEMARK OFFICE

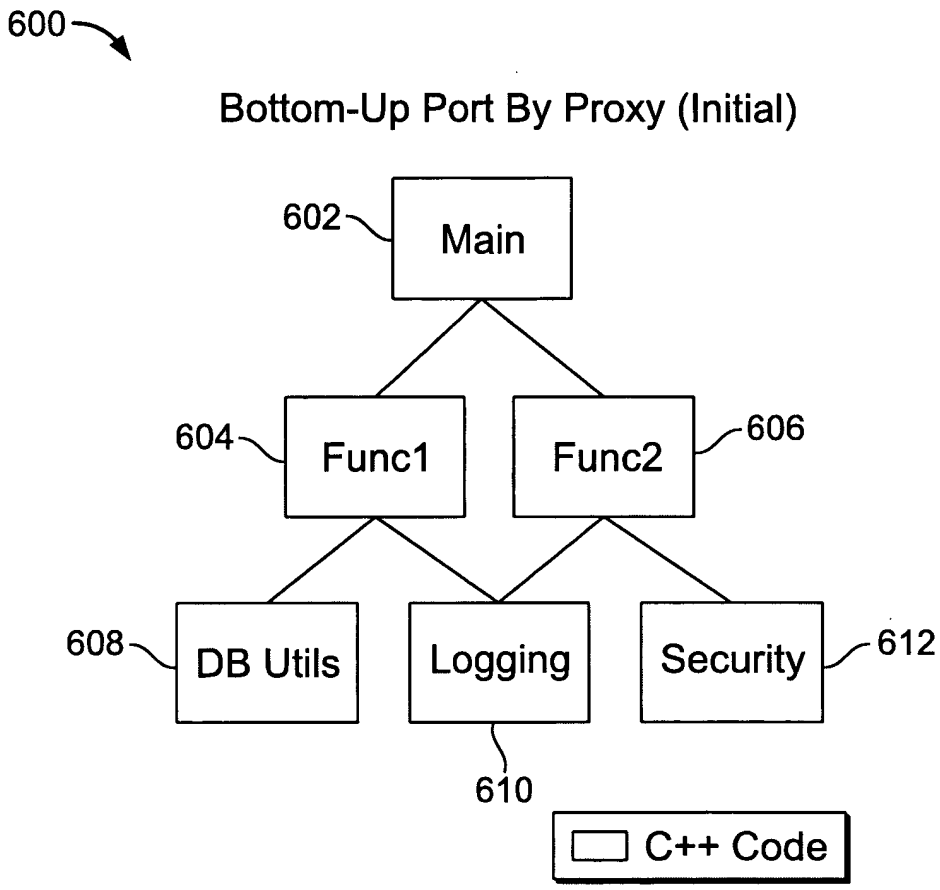

FIG. 27A

OIPE JC130
NOV 26 2004
PATENT & TRADEMARK OFFICE

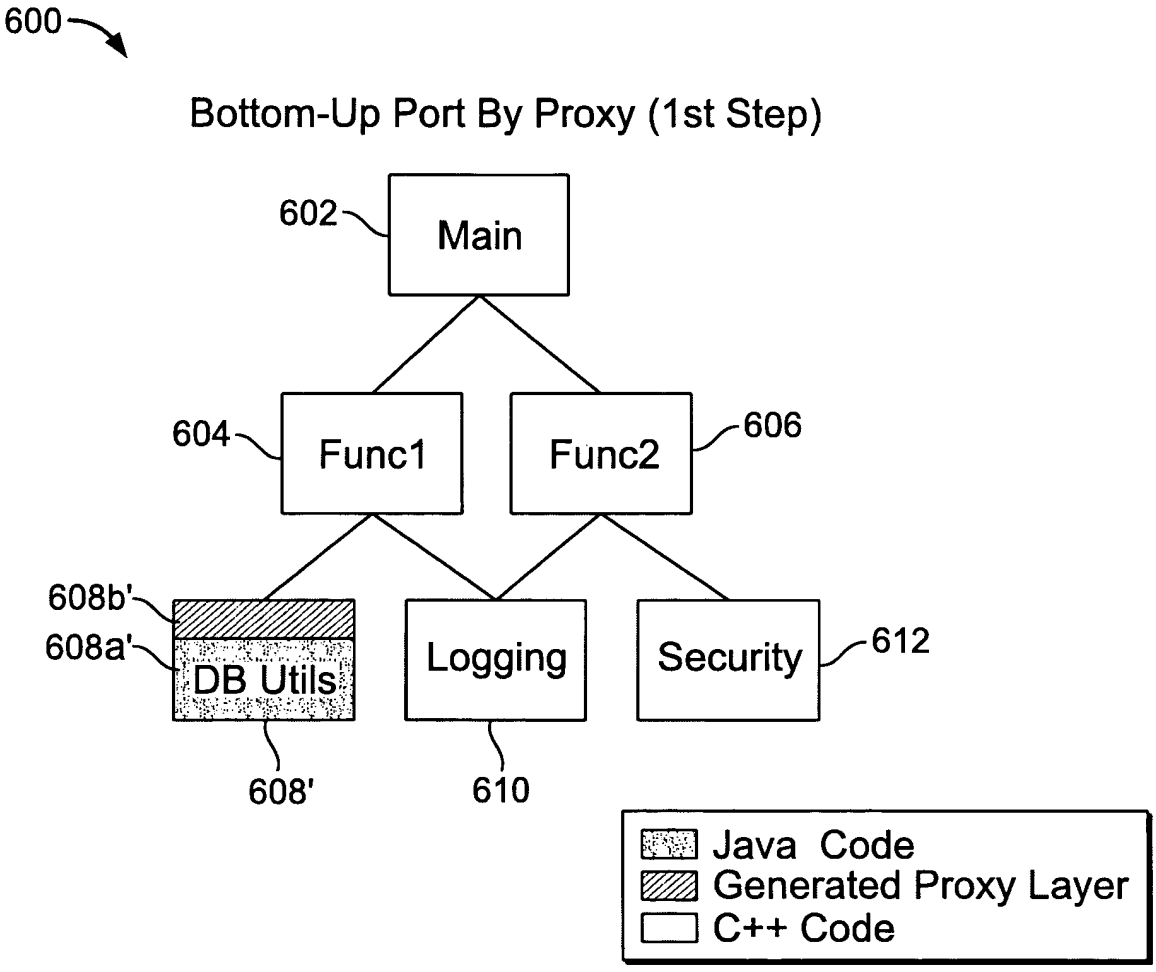

FIG. 27B

OIPE JC130 NOV 26 2004 PATENT & TRADEMARK OFFICE

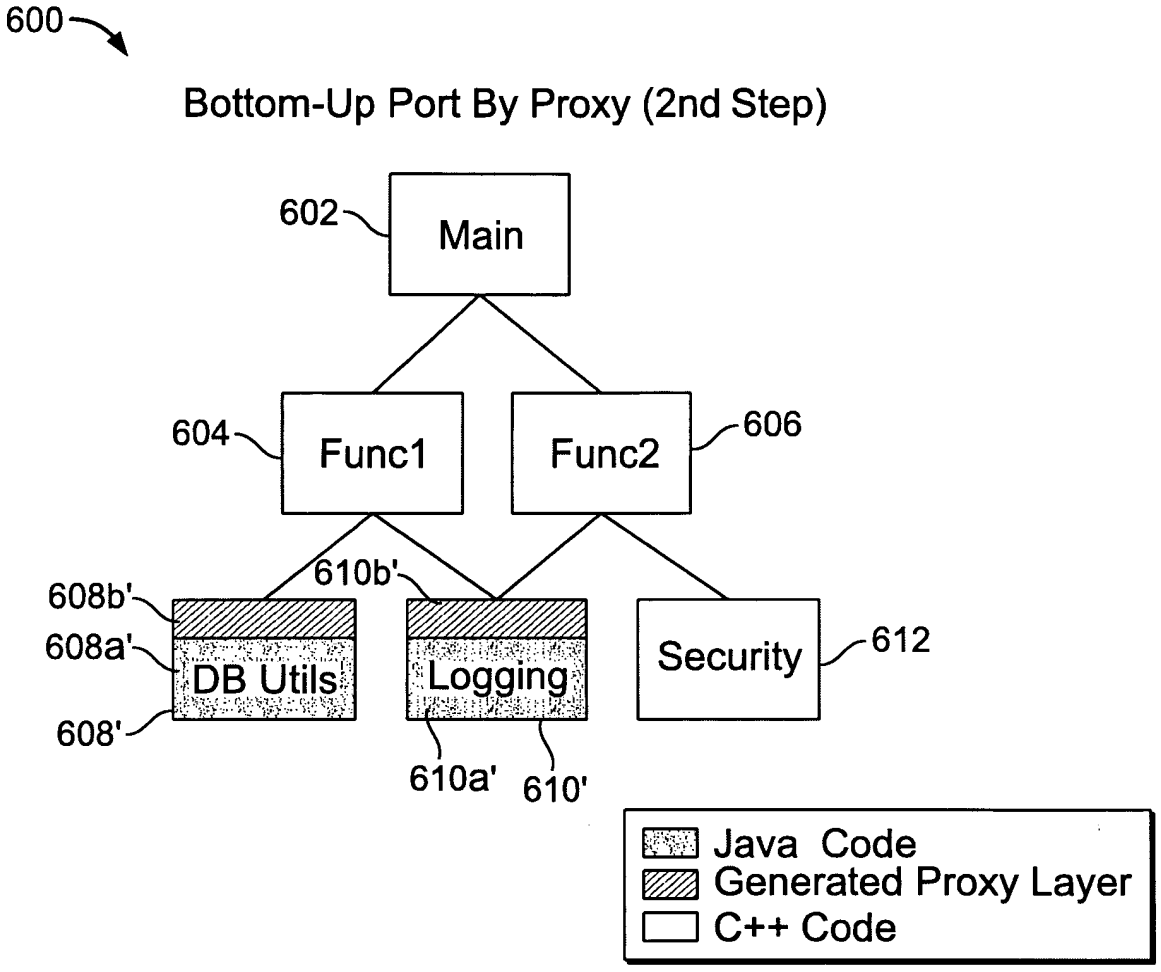

FIG. 27C

OIPE JC15
NOV 26 2004
PATENT & TRADEMARK OFFICE

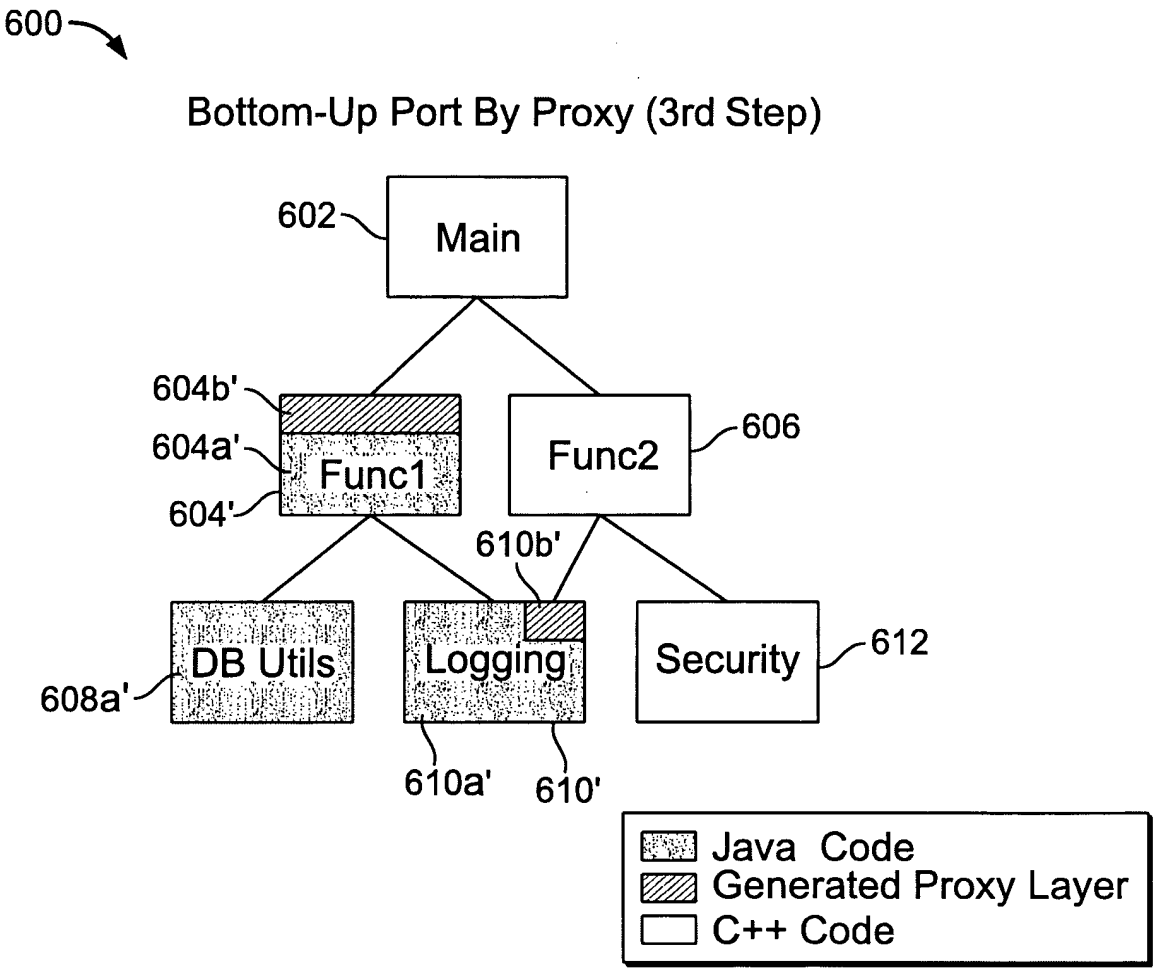

FIG. 27D

OIPE JC100 NOV 26 2004 PATENT & TRADEMARK OFFICE

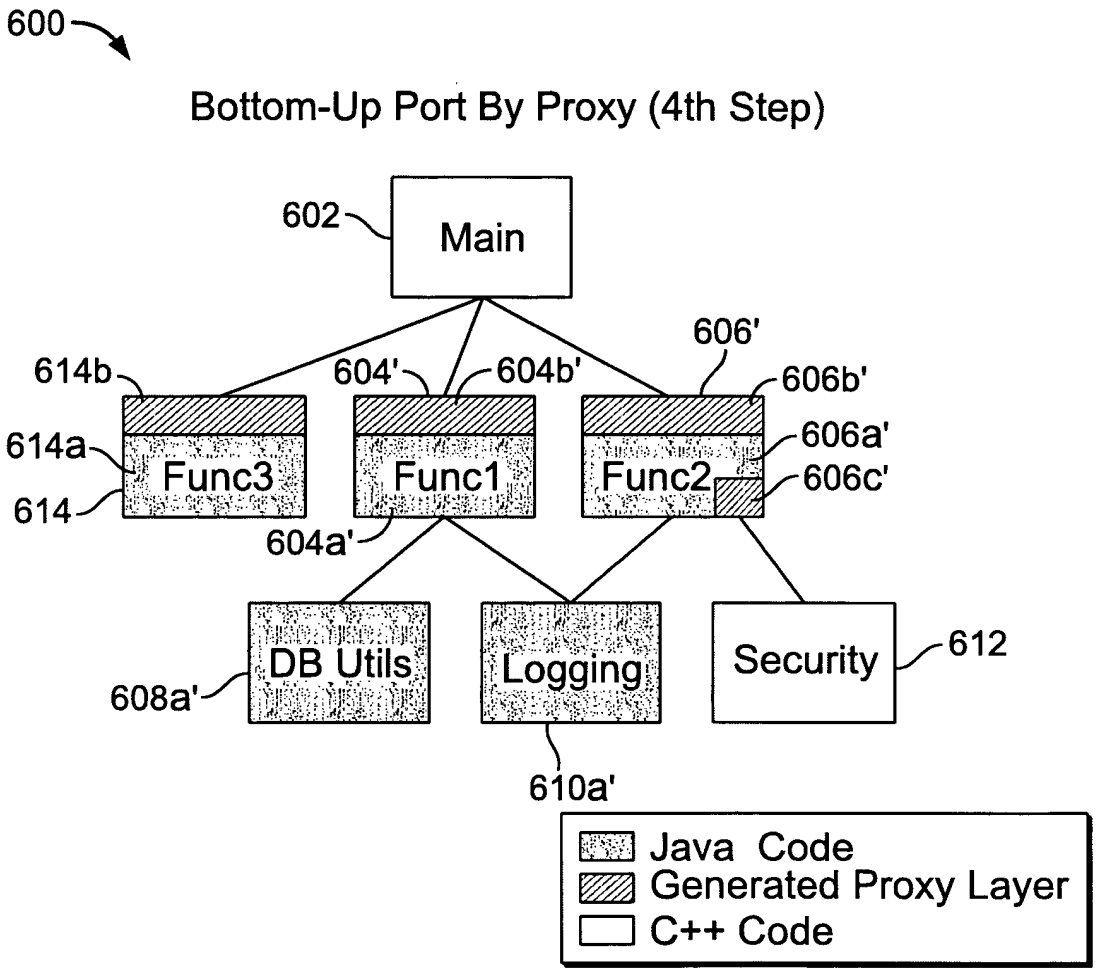

FIG. 27E

OIPE JC130 NOV 26 2004 PATENT & TRADEMARK OFFICE

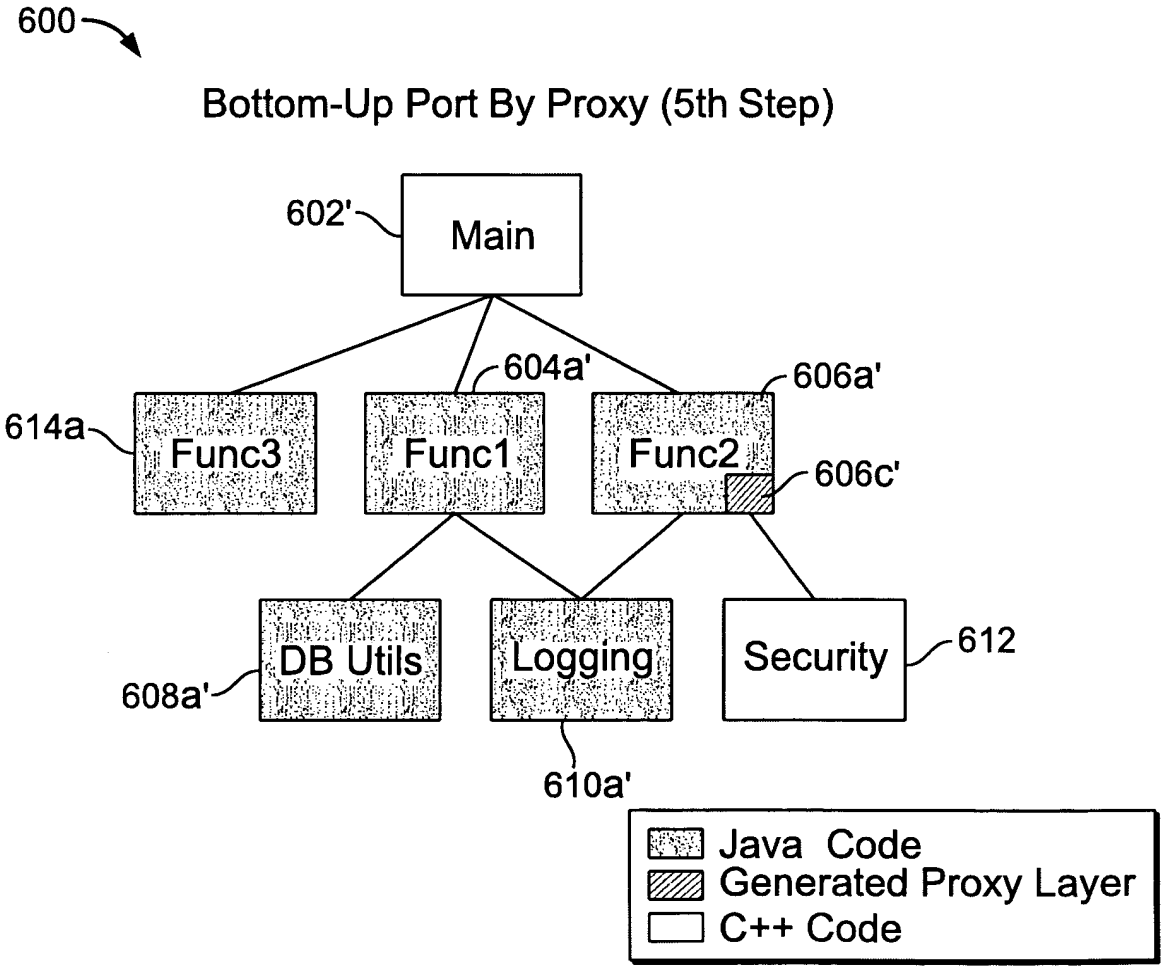

FIG. 27F